

## Summary of the research dataset supporting

### “Effect of thermal treatments on chiral nematic cellulose nanocrystal films”

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This research dataset is available for free at the University of Cambridge data repository and accessible from this link: <https://doi.org/10.17863/CAM.72241>

#### General Information:

The dataset is compressed into a main “.zip” file containing folders corresponding to the figures in which they were reported.

All the data (reported curves in the main body and Supporting Information) are made available as .txt, .rtf or .csv files.

#### List of extensions used:

| Extensions | Type                   | Required software | Possible softwares (examples) |
|------------|------------------------|-------------------|-------------------------------|
| .zip       | archive file format    | /                 | WinZip, 7-Zip, Unzip          |
| .tif       | image                  | /                 | ImageJ                        |
| .jpg       | image                  | /                 | ImageJ                        |
| .png       | image                  | /                 | ImageJ                        |
| .txt       | ASCII                  | /                 | Text editor                   |
| .rtf       | ASCII                  | /                 | Text editor                   |
| .csv       | Comma separated values | /                 | Text editor, MS Excel         |

#### Complete list of dataset items:

| Folder | File name                   | Type |
|--------|-----------------------------|------|
| TOC    | carb_graphical_abstract.tif | .tif |
| Fig_1  | Reflectance_CNC-A-N.csv     | .csv |
|        | Reflectance_CNC-A-N-GA.csv  | .csv |
|        | CNC-A-N-250-LCP.png         | .png |
|        | CNC-A-N-250-RCP.png         | .png |
|        | CNC-A-N-GA-250-LCP.png      | .png |
|        | CNC-A-N-GA-250-RCP.png      | .png |
|        | CNC-A-N-GA-LCP.png          | .png |
|        | CNC-A-N-GA-RCP.png          | .png |
|        | CNC-A-N-LCP.png             | .png |
|        | CNC-A-N-RCP.png             | .png |

| Folder | File name                      | Type |
|--------|--------------------------------|------|
| Fig_2  | CNC-A-N.tif                    | .tif |
|        | CNC-A-N-250.tif                | .tif |
|        | CNC-A-N-GA.tif                 | .tif |
|        | CNC-A-N-GA-250.tif             | .tif |
| Fig_3  | CNC-A-N.rtf                    | .rtf |
|        | CNC-A-N-250.rtf                | .rtf |
|        | CNC-A-N-GA.rtf                 | .rtf |
|        | CNC-A-N-GA-250.rtf             | .rtf |
| Fig_4  | CNC-A.txt                      | .txt |
|        | CNC-A-N.txt                    | .txt |
|        | CNC-A-N-GA.txt                 | .txt |
| Fig_5  | Reflectance_CNC-A-Vac.csv      | .csv |
|        | CNC-A-VAC-900-LCP.png          | .png |
|        | CNC-A-VAC-900-RCP.png          | .png |
|        | CNC-A-VAC-LCP.png              | .png |
|        | CNC-A-VAC-RCP.png              | .png |
|        | SEM-CNC-A-VAC-900-PanelC.tif   | .tif |
|        | SEM-CNC-A-VAC-900-PanelD.tif   | .tif |
| Fig_S1 | XRD_spectra.csv                | .csv |
| Fig_S2 | CNC-A-N_dark.JPG               | .jpg |
|        | CNC-A-N_white.JPG              | .jpg |
|        | CNC-A-N-250_dark.JPG           | .jpg |
|        | CNC-A-N-250_white.JPG          | .jpg |
|        | CNC-A-N-GA-250_.JPG            | .jpg |
|        | CNC-A-N-GA_dark.png            | .png |
|        | CNC-A-N-GA_light.png           | .png |
|        | CNC-A-Vac-_dark.png            | .png |
|        | CNC-A-Vac-_white.png           | .png |
|        | CNC-A-Vac-900_dark.png         | .png |
|        | CNC-A-Vac-900_white.png        | .png |
|        | CNC-A-N-GA-250_white.tif       | .tig |
| Fig_S3 | Reflectance_CNC-A-N-GA-900.csv | .csv |
|        | POM-CNC-A-N-GA-900-LCP.png     | .png |
|        | POM-CNC-A-N-GA-900-RCP.png     | .png |
|        | SEM_CNC-A-N-GA-900.tif         | .tif |
| Fig_S4 | CNC_Vac_panel A.tif            | .tif |
|        | CNC_Vac_panelB.tif             | .tif |
| Fig_S5 | CNC-A-VAC.rtf                  | .rtf |
|        | CNC-A-VAC-900.rtf              | .rtf |